

## EAST Search History

S17	1758	S14 not S15	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:07
S18	69	(query or search) with result\$ with breadth	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:08
S19	41	S18 not S13	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:08
S20	12	S19 not S15	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:17
S21	7	(("6370525") or ("5893092") or ("6434550") or ("6704722") or ("5875446") or ("6006217") or ("7028251")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 14:43
S22	5	(("6185558") or ("6480837") or ("20030216930") or ("20030088554") or ("6963867")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 14:44
S23	1	("6539377").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 15:30
S24	3	(("6539377") or ("20030120654") or ("20020049752")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:27
S25	1	10/661748.app.	US-PGPUB; USPAT	OR	OFF	2006/12/14 16:27
S26	8	(("6877002") or ("6990453") or ("20040153472") or ("6006222") or ("6014665") or ("6078916") or ("6182068") or ("6738764")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:31
S27	26	((("6185559") or ("6285999") or ("6353849") or ("20020042791") or ("20020049752") or ("20020123988") or ("20020133481") or ("65299032") or ("20030037074") or ("6526440") or ("6539377") or ("6567103") or ("6615209") or ("6658423") or ("20030229640") or ("6678681") or ("20040059708") or ("6725259") or ("6754873") or ("20040122811") or ("20040119740") or ("20040186828") or ("20040215607") or ("20050027691") or ("6853993") or ("20050033803") or ("20050060311")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:32
S28	1	("6529903").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:32

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	10/802953.app.	US-PGPUB; USPAT	OR	OFF	2007/06/22 12:50
S2	59	Google.AS.	US-PGPUB; USPAT	OR	OFF	2006/12/13 17:20
S3	7622	(707/3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 08:30
S4	7514	(query or search) with result\$ with (rank\$4 or order\$ or measure\$)	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:07
S5	914	(query or search) with result\$ with (rank\$4 or order\$ or measure\$).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 16:26
S6	914	((query or search) with result\$ with (rank\$4 or order\$ or measure\$)).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:41
S7	1017	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$)).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:42
S8	32	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and popularity).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:46
S9	80	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and click\$).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:46
S10	9	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and popularity and click\$).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 11:06
S11	6	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and breadth).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 12:57
S12	13	((query or search) with result\$ and (rank\$4 or order\$ or measure\$ or score\$) and breadth).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:55
S13	52	((query or search) with result\$ same (rank\$4 or order\$ or measure\$ or score\$) same breadth)	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:58
S14	1792	((query or search) with result\$ same (rank\$4 or order\$ or measure\$ or score\$) same (breadth or size or quantity))	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:56
S15	1443	breadth adj first	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:59
S16	27	S13 not S15	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:59

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S17	1758	S14 not S15	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:07
S18	69	(query or search) with result\$ with breadth	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:08
S19	41	S18 not S13	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:08
S20	12	S19 not S15	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:17
S21	7	(("6370525") or ("5893092") or ("6434550") or ("6704722") or ("5875446") or ("6006217") or ("7028251")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 14:43
S22	5	((("6185558") or ("6480837") or ("20030216930") or ("20030088554") or ("6963867")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 14:44
S23	1	("6539377").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 15:30
S24	3	((("6539377") or ("20030120654") or ("20020049752")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:27
S25	1	10/661748.app.	US-PGPUB; USPAT	OR	OFF	2006/12/14 16:27
S26	8	((("6877002") or ("6990453") or ("20040153472") or ("6006222") or ("6014665") or ("6078916") or ("6182068") or ("6738764")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:31
S27	26	((("6185559") or ("6285999") or ("6353849") or ("20020042791") or ("20020049752") or ("20020123988") or ("20020133481") or ("65299032") or ("20030037074") or ("6526440") or ("6539377") or ("6567103") or ("6615209") or ("6658423") or ("20030229640") or ("6678681") or ("20040059708") or ("6725259") or ("6754873") or ("20040122811") or ("20040119740") or ("20040186828") or ("20040215607") or ("20050027691") or ("6853993") or ("20050033803") or ("20050060311")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:32
S28	1	("6529903").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:32

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	10/802958.app.	US-PGPUB; USPAT	OR	OFF	2007/06/22 12:50
S2	59	Google.AS.	US-PGPUB; USPAT	OR	OFF	2006/12/13 17:20
S3	7622	(707/3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 08:30
S4	7514	(query or search) with result\$ with (rank\$4 or order\$ or measure\$)	US-PGPUB; USPAT	OR	OFF	2006/12/14 14:07
S5	914	(query or search) with result\$ with (rank\$4 or order\$ or measure\$).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 16:26
S6	914	((query or search) with result\$ with (rank\$4 or order\$ or measure\$)).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:41
S7	1017	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$)).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:42
S8	32	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and popularity).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:46
S9	80	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and click\$).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 10:46
S10	9	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and popularity and click\$).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 11:06
S11	6	((query or search) with result\$ with (rank\$4 or order\$ or measure\$ or score\$) and breadth).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 12:57
S12	13	((query or search) with result\$ and (rank\$4 or order\$ or measure\$ or score\$) and breadth).CLM.	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:55
S13	52	((query or search) with result\$ same (rank\$4 or order\$ or measure\$ or score\$) same breadth)	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:58
S14	1792	((query or search) with result\$ same (rank\$4 or order\$ or measure\$ or score\$) same (breadth or size or quantity))	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:56
S15	1443	breadth adj first	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:59
S16	27	S13 not S15	US-PGPUB; USPAT	OR	OFF	2006/12/14 13:59

## EAST Search History

S29	1	("20030120654").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:32
S30	1	("5640553").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 16:46
S31	0	2004WO-US29615.AP,PRAI.	US-PGPUB; USPAT	OR	OFF	2006/12/14 16:48
S32	0	2004WO-US029615.AP,PRAI.	US-PGPUB; USPAT	OR	OFF	2006/12/14 16:48
S33	1	2004WO-US29615.AP,PRAI.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/14 16:57
S34	2	(("20040186828") or ("6877002")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 17:32
S35	5	(("6185558") or ("6480827") or ("20030088554") or ("20030216930") or ("6963867")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/14 17:32

## EAST Search History

S36	53	(US-20030120654-\$ or US-20020049752-\$ or US-20050060311-\$ or US-20040153472-\$ or US-20050033803-\$ or US-20050027691-\$ or US-20040059708-\$ or US-20040215607-\$ or US-20040186828-\$ or US-20040122811-\$ or US-20040119740-\$ or US-20030229640-\$ or US-20030037074-\$ or US-20020133481-\$ or US-20020123988-\$ or US-20020042791-\$ or US-20050125392-\$ or US-20050198268-\$ or US-20030195877-\$ or US-20030135490-\$ or US-20050060312-\$ or US-20040064447-\$ or US-20060218146-\$ or US-20040172389-\$ or US-20040133469-\$).did. or (US-6539377-\$ or US-6990453-\$ or US-6006222-\$ or US-6877002-\$ or US-6738764-\$ or US-6182068-\$ or US-6078916-\$ or US-6014665-\$ or US-6853993-\$ or US-6615209-\$ or US-6754873-\$ or US-6725259-\$ or US-6678681-\$ or US-6658423-\$ or US-6529903-\$ or US-6567103-\$ or US-6526440-\$ or US-6353849-\$ or US-6285999-\$ or US-6185559-\$ or US-6185558-\$ or US-6963867-\$ or US-6647383-\$ or US-6480837-\$ or US-6718324-\$ or US-7043471-\$). did. or (US-6564213-\$).did. or (US-20050060311-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 10:21
S37	25	S36 and (result\$ near4 (amount or number or size or breadth))	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 12:21
S38	426395	(result\$ near4 (amount or number or size or breadth))	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 12:21
S39	16958	(result\$ near4 (amount or number or size or breadth)).CLM.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 12:23
S40	568	((query or search) with result\$) and result\$ near4 (amount or number or size or breadth).CLM.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 13:09

## EAST Search History

S41	568	((query or search) with result\$) and result\$ near4 (amount or number or size or breadth).CLM.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 13:09
S42	353	S41 and "707".clas.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 13:10
S43	187	S42 and (rank\$4 or order\$ or measure\$ or score\$).CLM.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 13:50
S44	1	09/041081.app.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/12/18 13:50
S45	1	("6546388").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/18 14:50
S46	2	(("6006222") or ("6182068")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/18 14:50
S47	1	("7124129").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/18 15:37
S48	372	(drop adj off) near3 rate\$	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:29
S49	0	S48 SAME ((query or search) with result\$)	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:33
S50	1	S48 SAME (query or search)	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:30
S51	122	S48 SAME (result\$)	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:30
S52	42	S48 WITH (result\$)	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:31
S53	5	S48 and "707".CLAS.	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:32
S54	50646	(rank\$4 or rate\$ or order\$) near3 difference	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:32
S55	52700	(rank\$4 or rate\$ or order\$ or score\$) near3 difference	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:33
S56	70	S55 SAME ((query or search) with result\$)	US-PGPUB; USPAT	OR	OFF	2006/12/18 17:33
S57	15	(drop\$off or drop\$4 or reduc\$4 or remov\$4 or reducing or reduction or decrease or prun\$3) with (score or rate or weight) with (quer\$3 or search\$4 or retrieval) with (calculat\$4 or measur\$4) and query	US-PGPUB; USPAT	OR	OFF	2006/12/20 13:03

## EAST Search History

S58	9	(score or weight or rank\$3) with (exponentially or rate) with results with query	US-PGPUB; USPAT	OR	OFF	2006/12/20 13:03
S59	976	707/3 and @pd>"20061214"	US-PGPUB; USPAT	OR	OFF	2007/06/15 17:11
S60	0	S59 and (query WITH breadth)	US-PGPUB; USPAT	OR	OFF	2007/06/15 17:10
S61	5	S59 and ((search or query) WITH breadth)	US-PGPUB; USPAT	OR	OFF	2007/06/15 17:10
S62	8364	707/3.CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/15 17:11
S63	90	S62 and ((search or query) WITH breadth)	US-PGPUB; USPAT	OR	OFF	2007/06/15 17:11
S64	43958	"707".CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/15 17:13
S66	1	("6012053").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 12:53
S67	1	("5870740").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 13:21
S68	1	("6088692").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 13:26
S69	1	("6363378").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 13:26
S70	8395	707/3.CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/25 14:35
S71	149	S70 and (total WITH number WITH results)	US-PGPUB; USPAT	OR	OFF	2007/06/25 16:45
S72	5906	(frequency or ratio or rate or speed) WITH (retrieval or access\$4 or query or search\$4) WITH result	US-PGPUB; USPAT	OR	OFF	2007/06/25 17:09
S73	987	S72 with (similar\$4 or compar\$4 or estimat\$4 or calculat\$4 or measur\$4)	US-PGPUB; USPAT	OR	OFF	2007/06/25 17:06
S74	330	S73 and index\$4	US-PGPUB; USPAT	OR	OFF	2007/06/25 17:06
S75	113	S74 and ((retrieval or access\$4 or query or search\$4) WITH (relevance or rank\$4 or weight\$4))	US-PGPUB; USPAT	OR	OFF	2007/06/25 17:08
S76	27	S75 and popularity	US-PGPUB; USPAT	OR	OFF	2007/06/25 17:08

## EAST Search History

S77	987	(frequency or ratio or rate or speed) WITH (retrieval or access\$4 or query or search\$4) WITH result WITH (similar\$4 or compar\$4 or estimat\$4 or calculat\$4 or measur\$4)	US-PGPUB; USPAT	OR	OFF	2007/06/25 17:10
S78	1366	(frequency or ratio or rate or speed) WITH (retrieval or access\$4 or query or search\$4) WITH result WITH (similar\$4 or compar\$4 or estimat\$4 or calculat\$4 or measur\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/25 17:11
S79	2126	(frequency or ratio or rate or speed) WITH (retrieval or access\$4 or query or search\$4) WITH result WITH (similar\$4 or compar\$4 or estimat\$4 or calculat\$4 or measur\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 17:11
S80	637	S79 and index\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 17:12
S81	90	S80 and popularity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 17:12
S82	245	S80 and ((retrieval or access\$4 or query or search\$4) WITH (relevance or rank\$4 or weight\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 17:12
S83	86	S82 and popularity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 17:21
S84	3	("6134553"   "6327590"   "6363377").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/25 17:17
S85	49	("6363377").URPN.	USPAT	OR	OFF	2007/06/25 17:19
S86	1	("20020078045").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/25 17:19

## EAST Search History

S87	25	S83 and 707/3.CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/25 17:21
S88	93	Google.AS.	US-PGPUB; USPAT	OR	OFF	2007/06/25 18:04
S89	57	S88 and "707".CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/25 18:04